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|---|--|--------------------------------------|---------------------|---|
| Crowley Liner Org 023286 Tariff 002 | Date Filed: 01-05-2023 | Date Effective: 02-01-2023 | Rule #: 18.1 | Revision: 17 Publishing Code: AR |
| Rule Name: | Vessel Fuel Surcharge: Between the Continental US and Puerto Rico | | | |

Except as specifically indicated in individual rate items, all shipments between the Continental United States and Puerto Rico will be subject to the following Vessel Fuel Surcharge (VFS).

NORTH ATLANTIC SERVICE:

METHODOLOGY: For cargo sailing between Eddystone, PA (PENN Terminals) and Puerto Rico, Crowley will calculate the average of New York and Houston 0.1% Ultra Low Sulfur (MGO) fuel prices, equally weighted as published by [Ship and Bunker](#). The average price will be calculated based on the daily price for each month. If the average price is higher or lower than the current index tier average price, Crowley will adjust the fuel charge based on the Vessel Fuel Surcharge Index corresponding tier approximately 30 days later.

Trailer load or Container load via North Atlantic ports:

| Effective Date | NY MGO Average | 20' | 40' | 45' | 48' | 53' | VEH or NIT ≤ 1099 CFT | NIT ≥ 1100 CFT |
|----------------|--------------------------------|-------|-------|---------|---------|---------|--------------------------|-------------------|
| 7/1/2020 | \$313.14 | \$185 | \$260 | \$285 | \$300 | \$345 | \$72 | \$260 |
| 10/1/2020 | \$366.45 | \$185 | \$260 | \$285 | \$300 | \$345 | \$72 | \$260 |
| 1/1/2021 | \$357.10 | \$185 | \$260 | \$285 | \$300 | \$345 | \$72 | \$260 |
| 4/1/2021 | \$485.91 | \$185 | \$260 | \$285 | \$300 | \$345 | \$72 | \$260 |
| 7/1/2021 | \$571.14 | \$275 | \$350 | \$375 | \$390 | \$435 | \$108 | \$350 |
| 10/1/2021 | \$613.66 | \$275 | \$350 | \$375 | \$390 | \$435 | \$108 | \$350 |
| 1/1/2022 | \$705.19 | \$365 | \$440 | \$465 | \$480 | \$525 | \$144 | \$440 |
| 4/1/2022 | \$770.57 | \$410 | \$485 | \$510 | \$525 | \$570 | \$162 | \$485 |
| 4/15/2022 | \$1,134.80 | \$680 | \$755 | \$780 | \$795 | \$840 | \$270 | \$755 |
| 5/1/2022 | \$1,167.27 | \$725 | \$800 | \$825 | \$840 | \$885 | \$288 | \$800 |
| 6/1/2022 | \$1,280.63 | \$815 | \$890 | \$915 | \$930 | \$975 | \$324 | \$890 |
| Effective Date | NY/HOU MGO Combined Average | 20' | 40' | 45' | 48' | 53' | VEH or NIT ≤ 1099 CFT | NIT ≥ 1100 CFT |
| 7/10/2022 | \$1,424.68 | \$905 | \$980 | \$1,005 | \$1,020 | \$1,065 | \$360 | \$980 |
| 9/01/2022 | \$1,220.33 | \$770 | \$845 | \$870 | \$885 | \$930 | \$306 | \$845 |
| 10/01/2022 | \$1,134.36 | \$680 | \$755 | \$780 | \$795 | \$840 | \$270 | \$755 |
| 11/01/2022 | \$1,098.49 | \$635 | \$710 | \$735 | \$750 | \$795 | \$252 | \$710 |
| 12/01/2022 | \$1,195.31 | \$725 | \$800 | \$825 | \$840 | \$885 | \$288 | \$800 |
| 01/01/2023 | \$1,102.42 | \$680 | \$755 | \$780 | \$795 | \$840 | \$270 | \$755 |
| 02/01/2023 | \$937.38 | \$545 | \$620 | \$645 | \$660 | \$705 | \$216 | \$620 |

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SOUTH ATLANTIC SERVICE:

METHODOLOGY: For cargo sailing between Jacksonville, FL and Puerto Rico, Crowley will use a combination of two indexes to calculate the monthly average. Crowley will utilize New York and Houston 0.1% Ultra Low Sulfur (MGO) fuel prices, equally weighted as published by [Ship and Bunker](#) and Henry Hub's Natural Gas (LNG) price as published by the [U.S. Energy Information Administration](#). The index will be weighted 85% LNG and 15% MGO.

Trailer load or Container load via South Atlantic ports:

| Effective Date | NY MGO Average | LNG Average | 20' | 40' | 45' | 48' | 53' | VEH or NIT < 1099 CFT | NIT ≥ 1100 CFT |
|----------------|--|-------------|-------|-------|-------|-------|-------|-----------------------|----------------|
| 7/1/2020 | \$313 | \$1.76 | \$185 | \$260 | \$285 | \$300 | \$345 | \$72 | \$260 |
| 10/1/2020 | \$366.45 | \$1.90 | \$185 | \$260 | \$285 | \$300 | \$345 | \$72 | \$260 |
| 1/1/2021 | \$357.10 | \$2.30 | \$262 | \$337 | \$362 | \$377 | \$422 | \$103 | \$337 |
| 4/1/2021 | \$485.91 | \$2.80 | \$338 | \$413 | \$438 | \$453 | \$498 | \$133 | \$413 |
| | <i>Removed 5 days from LNG average, as it increased the average to \$3.52, due to the 2021 winter storm.</i> | | | | | | | | |
| 7/1/2021 | \$571.14 | \$2.73 | \$313 | \$388 | \$413 | \$428 | \$473 | \$123 | \$388 |
| 10/1/2021 | \$613.66 | \$3.72 | \$348 | \$423 | \$448 | \$463 | \$508 | \$138 | \$423 |
| 1/1/2022 | \$705.19 | \$5.25 | \$489 | \$564 | \$589 | \$604 | \$649 | \$194 | \$564 |
| 4/1/2022 | \$770.57 | \$4.254 | \$432 | \$507 | \$532 | \$547 | \$592 | \$172 | \$507 |
| 4/15/2022 | \$1,134.80 | \$4.650 | \$493 | \$569 | \$593 | \$609 | \$653 | \$196 | \$569 |
| 5/1/2022 | \$1,167.27 | \$5.035 | \$543 | \$619 | \$643 | \$659 | \$703 | \$216 | \$619 |
| 6/1/2022 | \$1,280.63 | \$6.420 | \$663 | \$739 | \$763 | \$779 | \$823 | \$264 | \$739 |
| Effective Date | NY/HOU MGO Combined Average | LNG Average | 20' | 40' | 45' | 48' | 53' | VEH or NIT < 1099 CFT | NIT ≥ 1100 CFT |
| 7/10/2022 | \$1,424.68 | \$7.970 | \$702 | \$776 | \$802 | \$816 | \$862 | \$279 | \$776 |
| 9/01/2022 | \$1,220.33 | \$7.285 | \$648 | \$722 | \$748 | \$762 | \$808 | \$257 | \$722 |
| 10/01/2022 | \$1,134.36 | \$8.806 | \$736 | \$811 | \$836 | \$851 | \$896 | \$293 | \$811 |
| 11/01/2022 | \$1,098.49 | \$7.880 | \$662 | \$736 | \$762 | \$776 | \$822 | \$263 | \$736 |
| 12/01/2022 | \$1,195.31 | \$5.661 | \$539 | \$613 | \$639 | \$653 | \$699 | \$214 | \$613 |
| 01/01/2023 | \$1,102.42 | \$5.451 | \$498 | \$573 | \$598 | \$613 | \$658 | \$198 | \$573 |
| 02/01/2023 | \$937.38 | \$5.603 | \$512 | \$586 | \$612 | \$626 | \$672 | \$203 | \$586 |

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SOUTH ATLANTIC SERVICE CALCULATION

| CALCULATION STEPS: | | CALCULATION EXAMPLE: | | | | | | | | | | | | | | | | | | |
|--------------------|--|--|-------|-------|-------|-------|------|-------|-----|-----|-----|--------|--------|-------|-------|-------|-------|-------|------|-------|
| 1. | Calculate MGO Quarterly average | MGO Average: \$530/MT | | | | | | | | | | | | | | | | | | |
| 2. | Find the corresponding tier on the MGO index | MGO Corresponding Tier: \$500-\$559 | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <tr> <th>From</th> <th>To</th> <th>20'</th> <th>40'</th> <th>45'</th> <th>48'</th> <th>53'</th> <th>VEH</th> <th>NIT</th> </tr> <tr> <td>\$500</td> <td>\$559</td> <td>\$230</td> <td>\$305</td> <td>\$330</td> <td>\$345</td> <td>\$390</td> <td>\$90</td> <td>\$305</td> </tr> </table> | From | To | 20' | 40' | 45' | 48' | 53' | VEH | NIT | \$500 | \$559 | \$230 | \$305 | \$330 | \$345 | \$390 | \$90 | \$305 |
| From | To | 20' | 40' | 45' | 48' | 53' | VEH | NIT | | | | | | | | | | | | |
| \$500 | \$559 | \$230 | \$305 | \$330 | \$345 | \$390 | \$90 | \$305 | | | | | | | | | | | | |
| 3. | Multiply the 40' amount by 15% (round up) | MGO 40' → \$305 x 15% = \$45.75 → \$46 | | | | | | | | | | | | | | | | | | |
| 4. | Calculate the LNG Quarterly average | LNG Average: \$2.30/MMBTU | | | | | | | | | | | | | | | | | | |
| 5. | Find the corresponding tier on the LNG index | LNG Corresponding Tier: \$2.26-\$2.50 | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <tr> <th>From</th> <th>To</th> <th>20'</th> <th>40'</th> <th>45'</th> <th>48'</th> <th>53'</th> <th>VEH</th> <th>NIT</th> </tr> <tr> <td>\$2.25</td> <td>\$2.49</td> <td>\$235</td> <td>\$310</td> <td>\$335</td> <td>\$350</td> <td>\$395</td> <td>\$92</td> <td>\$310</td> </tr> </table> | From | To | 20' | 40' | 45' | 48' | 53' | VEH | NIT | \$2.25 | \$2.49 | \$235 | \$310 | \$335 | \$350 | \$395 | \$92 | \$310 |
| From | To | 20' | 40' | 45' | 48' | 53' | VEH | NIT | | | | | | | | | | | | |
| \$2.25 | \$2.49 | \$235 | \$310 | \$335 | \$350 | \$395 | \$92 | \$310 | | | | | | | | | | | | |
| 6. | Multiply the 40' amount by 85% (round up) | LNG 40' → \$310 x 85% = \$263.50 → \$264 | | | | | | | | | | | | | | | | | | |
| 7. | Add steps 3 and 6 together (round up) | \$46 + \$264 = \$310 | | | | | | | | | | | | | | | | | | |
| 8. | Calculate the difference from step 7 to current 40' fuel level | \$310 – \$260 (CURRENT 40' LEVEL) = +\$50 for the 40' LEVEL | | | | | | | | | | | | | | | | | | |
| 9. | Repeat for each equipment size or type | Repeat for each equipment size or type | | | | | | | | | | | | | | | | | | |

VESSEL FUEL INDEX TABLES

| PUERTO RICO VESSEL FUEL INDEX (MGO) | | | | | | | | |
|-------------------------------------|---------|---------|---------|---------|---------|---------|--------------------------|-------------------|
| From | To | 20' | 40' | 45' | 48' | 53' | VEH or NIT < 1099 CFT | NIT ≥ 1100 CFT |
| \$0 | \$499 | \$185 | \$260 | \$285 | \$300 | \$345 | \$72 | \$260 |
| \$500 | \$559 | \$230 | \$305 | \$330 | \$345 | \$390 | \$90 | \$305 |
| \$560 | \$619 | \$275 | \$350 | \$375 | \$390 | \$435 | \$108 | \$350 |
| \$620 | \$679 | \$320 | \$395 | \$420 | \$435 | \$480 | \$126 | \$395 |
| \$680 | \$739 | \$365 | \$440 | \$465 | \$480 | \$525 | \$144 | \$440 |
| \$740 | \$799 | \$410 | \$485 | \$510 | \$525 | \$570 | \$162 | \$485 |
| \$800 | \$859 | \$455 | \$530 | \$555 | \$570 | \$615 | \$180 | \$530 |
| \$860 | \$919 | \$500 | \$575 | \$600 | \$615 | \$660 | \$198 | \$575 |
| \$920 | \$979 | \$545 | \$620 | \$645 | \$660 | \$705 | \$216 | \$620 |
| \$980 | \$1,039 | \$590 | \$665 | \$690 | \$705 | \$750 | \$234 | \$665 |
| \$1,040 | \$1,099 | \$635 | \$710 | \$735 | \$750 | \$795 | \$252 | \$710 |
| \$1,100 | \$1,159 | \$680 | \$755 | \$780 | \$795 | \$840 | \$270 | \$755 |
| \$1,160 | \$1,219 | \$725 | \$800 | \$825 | \$840 | \$885 | \$288 | \$800 |
| \$1,220 | \$1,279 | \$770 | \$845 | \$870 | \$885 | \$930 | \$306 | \$845 |
| \$1,280 | \$1,339 | \$815 | \$890 | \$915 | \$930 | \$975 | \$324 | \$890 |
| \$1,340 | \$1,399 | \$860 | \$935 | \$960 | \$975 | \$1,020 | \$342 | \$935 |
| \$1,400 | \$1,459 | \$905 | \$980 | \$1,005 | \$1,020 | \$1,065 | \$360 | \$980 |
| \$1,460 | \$1,519 | \$950 | \$1,025 | \$1,050 | \$1,065 | \$1,110 | \$378 | \$1,025 |
| \$1,520 | \$1,579 | \$995 | \$1,070 | \$1,095 | \$1,110 | \$1,155 | \$396 | \$1,070 |
| \$1,580 | \$1,639 | \$1,040 | \$1,115 | \$1,140 | \$1,155 | \$1,200 | \$414 | \$1,115 |
| \$1,640 | \$1,699 | \$1,085 | \$1,160 | \$1,185 | \$1,200 | \$1,245 | \$432 | \$1,160 |
| \$1,700 | \$1,759 | \$1,130 | \$1,205 | \$1,230 | \$1,245 | \$1,290 | \$450 | \$1,205 |
| \$1,760 | \$1,819 | \$1,175 | \$1,250 | \$1,275 | \$1,290 | \$1,335 | \$468 | \$1,250 |

***Abbreviated scale. Will continue past \$1,819*

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| PUERTO RICO VESSEL FUEL INDEX (LNG) | | | | | | | | |
|-------------------------------------|---------|---------|---------|---------|---------|---------|--------------------------|-------------------|
| From | To | 20' | 40' | 45' | 48' | 53' | VEH or NIT < 1099 CFT | NIT ≥ 1100 CFT |
| \$0.00 | \$1.99 | \$185 | \$260 | \$285 | \$300 | \$345 | \$72 | \$260 |
| \$2.00 | \$2.49 | \$225 | \$300 | \$325 | \$340 | \$385 | \$88 | \$300 |
| \$2.50 | \$2.99 | \$265 | \$340 | \$365 | \$380 | \$425 | \$104 | \$340 |
| \$3.00 | \$3.49 | \$305 | \$380 | \$405 | \$420 | \$465 | \$120 | \$380 |
| \$3.50 | \$3.99 | \$345 | \$420 | \$445 | \$460 | \$505 | \$136 | \$420 |
| \$4.00 | \$4.49 | \$385 | \$460 | \$485 | \$500 | \$545 | \$152 | \$460 |
| \$4.50 | \$4.99 | \$425 | \$500 | \$525 | \$540 | \$585 | \$168 | \$500 |
| \$5.00 | \$5.49 | \$465 | \$540 | \$565 | \$580 | \$625 | \$184 | \$540 |
| \$5.50 | \$5.99 | \$505 | \$580 | \$605 | \$620 | \$665 | \$200 | \$580 |
| \$6.00 | \$6.49 | \$545 | \$620 | \$645 | \$660 | \$705 | \$216 | \$620 |
| \$6.50 | \$6.99 | \$585 | \$660 | \$685 | \$700 | \$745 | \$232 | \$660 |
| \$7.00 | \$7.49 | \$625 | \$700 | \$725 | \$740 | \$785 | \$248 | \$700 |
| \$7.50 | \$7.99 | \$665 | \$740 | \$765 | \$780 | \$825 | \$264 | \$740 |
| \$8.00 | \$8.49 | \$705 | \$780 | \$805 | \$820 | \$865 | \$280 | \$780 |
| \$8.50 | \$8.99 | \$745 | \$820 | \$845 | \$860 | \$905 | \$296 | \$820 |
| \$9.00 | \$9.49 | \$785 | \$860 | \$885 | \$900 | \$945 | \$312 | \$860 |
| \$9.50 | \$9.99 | \$825 | \$900 | \$925 | \$940 | \$985 | \$328 | \$900 |
| \$10.00 | \$10.49 | \$865 | \$940 | \$965 | \$980 | \$1,025 | \$344 | \$940 |
| \$10.50 | \$10.99 | \$905 | \$980 | \$1,005 | \$1,020 | \$1,065 | \$360 | \$980 |
| \$11.00 | \$11.49 | \$945 | \$1,020 | \$1,045 | \$1,060 | \$1,105 | \$376 | \$1,020 |
| \$11.50 | \$11.99 | \$985 | \$1,060 | \$1,085 | \$1,100 | \$1,145 | \$392 | \$1,060 |
| \$12.00 | \$12.49 | \$1,025 | \$1,100 | \$1,125 | \$1,140 | \$1,185 | \$408 | \$1,100 |
| \$12.50 | \$12.99 | \$1,065 | \$1,140 | \$1,165 | \$1,180 | \$1,225 | \$424 | \$1,140 |
| \$13.00 | \$13.49 | \$1,105 | \$1,180 | \$1,205 | \$1,220 | \$1,265 | \$440 | \$1,180 |
| \$13.50 | \$13.99 | \$1,145 | \$1,220 | \$1,245 | \$1,260 | \$1,305 | \$456 | \$1,220 |
| \$14.00 | \$14.49 | \$1,185 | \$1,260 | \$1,285 | \$1,300 | \$1,345 | \$472 | \$1,260 |

****Abbreviated scale. Will continue past \$14.49**

US/PUERTO RICO FUEL HISTORY JANUARY 2016 TO APRIL 2020